

# **Workshop on Multiscale Atmospheric Dispersion Modeling Within the Federal Community**

## **Agenda**

June 6-8, 2000, Town Center Hotel,  
8727 Colesville Road, Silver Spring, MD

### **Tuesday, June 6, 2000**

7:00 - 8:00 a.m.                      **REGISTRATION AND CONTINENTAL BREAKFAST**

8:00 - 8:20 a.m.                      **WELCOME AND KICKOFF**

Mr. Samuel P. Williamson, Federal Coordinator for Meteorology  
Dr. Darryl Randerson, Chief, Special Operations and Research  
Division, Air Resources Laboratory

8:20 - 11:30 a.m.                      **SESSION I - USER REQUIREMENTS FOR DISPERSION  
MODELING**

**Session Chair:** Rickey Petty, Department of Energy  
**Rapporteur:** Roger Stocker, Fleet Numerical Meteorology &  
Oceanography Center

8:30-8:50                              **Department of Defense**

Captain David Martin, USN, Military Assistant for  
Environmental Sciences, Office of the Deputy Under  
Secretary of Defense, Science and Technology

8:50-9:10                              **National Oceanic and Atmospheric Administration**

Bruce Hicks, Director, Air Resources Laboratory  
Tom Renz, Lead Meteorologist, Alaska Aviation Weather Unit

9:10-9:30	<p><b><u>Department of Energy</u></b></p> <p>Dr. Peter Lunn, Program Director, Atmospheric Sciences Program  Dr. Don Ermak, Program Leader, Atmospheric Release  Assessment Programs, Lawrence Livermore National  Laboratory</p>
9:30-9:50	<p><b><u>Environmental Protection Agency</u></b></p> <p>Phil Campagna, Chemist, Environmental Emergency Response  Center  Mark Evangelista, Chief, Air Quality Support Branch, Office of  Air Quality and Planning Standards</p>
9:50-10:00	<p><b><u>Federal Emergency Management Agency</u></b></p> <p>Paul Bryant</p>
10:00-10:30	<p><b>Break</b></p>
10:30-10:40	<p><b><u>Nuclear Regulatory Commission</u></b></p> <p>Jocelyn Mitchell, Senior Technical Advisor, Office of Research</p>
10:40-10:50	<p><b><u>Department of the Interior</u></b></p> <p>Marianne Guffanti, Coordinator, Volcano Hazards Program, U.S.  Geological Survey</p>
10:50-11:00	<p><b><u>Department of Agriculture</u></b></p> <p>Dr. Al Riebau, National Program Lead for Atmospheric Science  Research, Forest Service</p>
11:00-11:20	<p><b><u>Department of Transportation</u></b></p> <p>Steve Albersheim, Aviation Weather Requirements, Federal  Aviation Administration  Dr. Steve Hwang, Chemical Engineer, Research and Special  Programs Administration</p>

11:20-11:30	<p><b><u>Air Force Range Safety</u></b></p> <p>Carlton “Bud” Parks, Senior Meteorologist, Air Force Range Safety</p>
11:30 - 12:50	<p><b>Lunch On Your Own</b></p>
12:50 - 5:00 p.m.	<p><b>SESSION II - AGENCY DISPERSION MODELING CAPABILITIES</b></p> <p><b>Session Chair:</b> Jeff McQueen, NOAA Air Resources Laboratory  <b>Rapporteur:</b> David Weinbrenner, National Centers for Environmental Prediction</p>
1:00-1:45	<p><b><u>Environmental Protection Agency</u></b></p> <p>Dennis Atkinson, Meteorologist, Office of Air Quality and Planning Standards  Alan Cimorelli, Lead Meteorologist, EPA Region 3  Mark Evangelista, Chief, Air Policy Support Branch, Office of Air Quality and Planning Standards</p>
1:45-2:45	<p><b><u>Department of Defense</u></b></p> <p>Ronald Cionco, Research Meteorologist, US Army Research Laboratory  Ronald Meris, Physical Scientist, Defense Threat Reduction Agency  Mike Henley, Research Chemist, Air Force Research Laboratory  Tim Bauer, Program Manager, Modeling and Simulation, Naval Surface Warfare Center Dahlgren Division</p>
2:45-3:15	<p><b>Break</b></p>
3:15-3:45	<p><b><u>Department of Energy</u></b></p> <p>Dr. Jerome Fast, Senior Research Scientist, Pacific Northwest National Laboratory  Dr. Don Ermak, Program Leader, Atmospheric Release Assessment Programs, Lawrence Livermore National Laboratory</p>

3:45-4:15

**National Oceanic and Atmospheric Administration**

Dr. Darryl Randerson, Chief, Special Operations and Research  
Division, Air Resources Laboratory  
Dr. Jerry Galt, Chief, Hazardous Materials Response Division,  
National Ocean Service

4:15-4:30

**Nuclear Regulatory Commission**

Jocelyn Mitchell, Senior Technical Advisor, Office of Research

4:30-4:45

**Air Force Range Safety**

Carlton “Bud” Parks, Senior Meteorologist, Air Force Range  
Safety

4:45-5:00

**Department of Transportation**

Dr. Steve Hwang, Chemical Engineer, Research and Special  
Programs Administration

**Wednesday, June 7, 2000**

7:30 - 8:30 a.m.

**CONTINENTAL BREAKFAST**

8:30 - 12:00 Noon

**SESSION III - TECHNICAL BARRIERS TO DISPERSION  
MODELING PANEL**

**Moderator:** Ronald Cionco, Army Research Laboratory  
**Rapporteur:** Robert Lawson, Environmental Protection Agency

**Panel Members:**

Dr. Ray Hosker, Director, Atmospheric Turbulence & Diffusion  
Division, Air Resources Laboratory  
Paul Bryant, Federal Emergency Management Agency  
Jim Bowers, Dugway Proving Ground  
Jocelyn Mitchell, Nuclear Regulatory Commission  
Al Cimorelli, Environmental Protection Agency  
Dr. Jerome Fast, Pacific Northwest National Laboratory

8:30-10:00

Panel members address technical issues identified by agencies (15  
minutes each)

10:00-10:30	<b>Break</b>
10:30-12:00 Noon	Open Discussion
12:00 Noon - 1:30 p.m.	<b>Lunch On Your Own</b>
1:30-4:00 p.m.	<p><b>SESSION IV- MODEL VALIDATION, VERIFICATION AND APPROVAL AND MODEL SUBSET BREAKOUTS (CONCURRENT)</b></p> <p><b><u>Breakout One</u></b>- Methods for Validation, Verification and Approval of Models</p> <p><b>Co-Chairs:</b> William Petersen, EPA, National Exposure Research Laboratory Tim Bauer, Naval Surface Warfare Center, Dahlgren</p> <p><b>Rapporteur:</b> Marcia Carpentier, Environmental Protection Agency</p> <p><b><u>Breakout Two</u></b>- Establishing Subsets of Models to Meet Dispersion Applications (Identify “subsets” of models suitable for different operational scenarios which are scientifically and technically sound)</p> <p><b>Co-Chairs:</b> Dr. K.S. Rao, Air Resources Laboratory, Oak Ridge LTC Todd Hann, USA, Defense Threat Reduction Agency</p> <p><b>Rapporteur:</b> Ron Meris, Defense Threat Reduction Agency</p>

2:30-3:00	<b>Break</b>
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**Thursday, June 8, 2000**

8:00 - 9:00 a.m.	<b>BREAKFAST (Cambridge Cafe)</b>
9:00 - 10:45 a.m.	<b>SESSION V- SUMMARY AND WRAP-UP</b>
	<b>Session Chair:</b> Dr. Darryl Randerson
9:00-10:30	<b>Summary</b>

Panel Report: Ronald Cionco  
Breakout One Report: William Petersen, Tim Bauer  
Breakout Two Report: Dr. K.S. Rao, LTC Hann, USA

10:30-10:45

**Workshop Wrap-up/Closing Remarks**

Mr. Samuel P. Williamson, Federal Coordinator for Meteorology